

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|--|------------------|---------|------------------|
| L1 | 1102 | (714/48).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:10 |
| L2 | 46 | (TDDS or DDS) same (TDMA) same DMA | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:10 |
| L3 | 0 | 1 and 2 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:10 |
| L4 | 151 | 1 and ((defect or error) near5 (management or list or table)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:11 |
| L5 | 4 | 1 and (temporary near5 (defect or management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:11 |
| L6 | 30 | (369/30.21).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:11 |
| L7 | 70 | (369/30.24).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:11 |
| L8 | 172 | (369/30.36).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:11 |
| L9 | 390 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:12 |
| L10 | 276 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/08/02 12:12 |
| L11 | 775 | 6 7 8 9 10 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:12 |

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| L12 | 20 | 2 and 11 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:12 |
| L13 | 85 | 11 and (temporary near5 (defect or management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:12 |
| L14 | 143 | ((disc or disk) with (defect or definition) with (structure)) same (temporary with (defect or management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:13 |
| L15 | 49 | 11 and 14 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:16 |
| L16 | 70 | (11 or "714".clas.) and 14 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:16 |
| L17 | 539 | (primary adj2 defect and (spare secondary) adj2 defect) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:17 |
| L18 | 540 | (primary adj2 defect) and ((spare or secondary or temporary) adj2 defect) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:17 |

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|-----|-------|---|--|----|-----|------------------|
| L19 | 181 | 11 and 18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:17 |
| L21 | 292 | (11 or "714".clas.) and 18 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:18 |
| L22 | 284 | 21 and (DMA or (defect near5 management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:18 |
| L23 | 1219 | "24" and (temporary near5 (defect or management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/08/02 12:23 |
| L24 | 33 | ((lead-in or (lead adj2 in)) and (lead-out or (lead adj2 out)) and (area or address) and (stor\$3 or allocat\$4) and (defect) and ((temporary adj2 (disc or defect or management)) or TDDS) and ((defect adj2 (management or area)) or DMA)).clm. | US-PGPUB | OR | ON | 2007/08/02 12:26 |
| S1 | 356 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/03/12 12:45 |
| S2 | 257 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/01 16:27 |
| S3 | 346 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/01 16:27 |
| S4 | 693 | S1 S2 S3 | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:54 |
| S5 | 67057 | (DMA or TDL or TDFL or TDMA or TDDS or SBM or "defect management area") | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:55 |
| S6 | 279 | S4 and S5 | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:55 |

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|-----|------|--|------------------------------|----|-----|------------------|
| S7 | 1189 | S5 same temporary | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:56 |
| S8 | 63 | S4 and S7 | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:59 |
| S9 | 190 | (defect and management).ti. | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:59 |
| S10 | 78 | S4 and S9 | US-PGPUB; USPAT | OR | ON | 2006/11/01 16:59 |
| S11 | 5 | ("5075804" "5303219" "5715221" "5745444" "5966358").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/01 17:34 |
| S12 | 5 | ("5075804" "5303219" "5715221" "5745444" "5966358").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/01 17:35 |
| S13 | 4 | (lead adj1 in) and (lead adj1 out) and (spare near2 area) and (defect near2 management) and (defect near2 list) and (temporary near2 management) and (TDMA DMA TDFL TDD TDDS) | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:44 |
| S14 | 4 | (lead adj1 in) and (lead adj1 out) and (spare near2 area) and (defect near2 management) and (defect near2 list) and (temporary near2 management) | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:46 |
| S15 | 121 | (spare near2 area) and (defect near2 management) and (defect near2 list) and (temporary near2 management) | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:46 |
| S16 | 92 | S15 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:46 |
| S17 | 357 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 09:46 |
| S18 | 257 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 09:46 |
| S19 | 346 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 09:46 |
| S20 | 694 | S17 S18 S19 | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:46 |
| S21 | 53 | S15 and S20 | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:50 |
| S22 | 17 | "6564345" | US-PGPUB; USPAT | OR | ON | 2006/11/02 09:51 |
| S23 | 1 | ("6564345").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 13:23 |

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| S24 | 1 | ("6922801").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 10:26 |
| S25 | 1 | ("6754860").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 11:05 |
| S26 | 215 | (defect and (management or sector\$3 or replace\$5)).ti. | US-PGPUB; USPAT | OR | ON | 2006/11/02 11:06 |
| S27 | 109 | S26 and "369".clas. | US-PGPUB; USPAT | OR | ON | 2006/11/02 11:07 |
| S28 | 85 | S20 and S26 | US-PGPUB; USPAT | OR | ON | 2006/11/02 11:07 |
| S29 | 13 | ("5568606" "5812755" "5818654" "5835930" "5923491" "5923876" "5956196" "6008960" "6189110" "6223303" "6229784" "6233108" "6279089").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/11/02 15:09 |
| S30 | 1 | ("7000152").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/02 15:09 |
| S31 | 602 | hwang-sung-hee.in. or ko-jung-wan.in. or lee-kyung-geun.in. | US-PGPUB; USPAT | OR | ON | 2006/11/08 14:01 |
| S32 | 4 | 60/477955 | US-PGPUB; USPAT | OR | ON | 2006/11/08 15:45 |
| S33 | 19 | (defect near2 manage\$5) same ("space bit map" or (bit near2 map) or (SBM)) same ("temporary disc defect structure" or TDD or TDS or TDDS) same (defect near2 list) | US-PGPUB; USPAT | OR | ON | 2006/11/08 16:14 |
| S34 | 13 | "temporary disc defect structure" | US-PGPUB; USPAT | OR | ON | 2006/11/08 16:21 |
| S35 | 0 | 2004/0165496 | US-PGPUB; USPAT | OR | ON | 2006/11/08 16:22 |
| S36 | 0 | (2004/0165496).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 16:22 |
| S37 | 1 | 10/784817 | US-PGPUB; USPAT | OR | ON | 2006/11/08 16:31 |
| S38 | 1 | ("6970407").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 16:32 |
| S39 | 1 | ("6850474").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 16:32 |
| S40 | 1 | ("6667939").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 16:33 |
| S41 | 1 | ("6243338").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/08 16:33 |

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|-----|-------|---|--------------------|----|-----|------------------|
| S42 | 0 | ("park-yong-cheol.in.").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 07:59 |
| S43 | 105 | park-yong-cheol.in. | US-PGPUB; USPAT | OR | ON | 2006/11/09 07:59 |
| S44 | 216 | (defect and (management or sector\$3 or replace\$5)).ti. | US-PGPUB; USPAT | OR | ON | 2006/11/09 08:28 |
| S45 | 358 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 08:27 |
| S46 | 259 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 08:27 |
| S47 | 348 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 08:27 |
| S48 | 697 | S45 S46 S47 | US-PGPUB; USPAT | OR | ON | 2006/11/09 08:27 |
| S49 | 1808 | (369/275.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 08:28 |
| S50 | 38965 | ("714").CLAS. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 08:28 |
| S51 | 41332 | S48 S49 S50 | US-PGPUB; USPAT | OR | ON | 2006/11/09 08:28 |
| S52 | 149 | S44 and S51 | US-PGPUB; USPAT | OR | ON | 2006/11/09 08:28 |
| S53 | 99 | S52 and (TDDS TDD DDS TDFL TDMA DMA SBM) | US-PGPUB; USPAT | OR | ON | 2006/11/09 09:31 |
| S54 | 1 | ("6469978").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 09:30 |
| S55 | 3 | S52 and (defect near3 structure) and (defect near2 list) and (spare near2 area) and ((space or bit) near2 map) | US-PGPUB; USPAT | OR | ON | 2006/11/09 09:35 |
| S56 | 83 | S52 and (defect near3 structure or DDS) | US-PGPUB; USPAT | OR | ON | 2006/11/09 09:36 |
| S57 | 83 | S52 and ((defect near3 structure) or DDS) | US-PGPUB; USPAT | OR | ON | 2006/11/09 11:57 |
| S58 | 17 | "6564345" | US-PGPUB; USPAT | OR | ON | 2006/11/09 11:57 |
| S59 | 1 | ("6564345").PN. | US-PGPUB; USPAT | OR | OFF | 2006/11/09 11:57 |
| S60 | 358 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/15 16:22 |
| S61 | 350 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/15 16:22 |
| S62 | 259 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/11/15 16:22 |

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| S63 | 603 | hwang-sung-hee.in. or ko-jung-wan.in. or lee-kyung-geun.in. | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S64 | 1 | ("6469978").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/12 13:09 |
| S65 | 1 | ("6564345").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/12 13:55 |
| S66 | 3 | "20020136537" | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 14:18 |
| S67 | 285 | ("defect management area" of (defect near2 management)) same ((temp\$5 or interim) near5 (defect near2 management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:12 |
| S68 | 154 | S67 and ("369" or "714").clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 14:33 |
| S69 | 70 | S68 and samsung | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 14:33 |
| S70 | 84 | S68 not S69 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 14:34 |
| S71 | 285 | ("defect management area" of (defect near2 management)) same ((temp\$5 or interim) near5 (defect near2 (management or definition))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:16 |

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| S72 | 0 | S71 not S67 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 14:44 |
| S73 | 285 | ((temp\$5 or interim) near5 (defect near2 management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:13 |
| S74 | 0 | S73 not S67 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:13 |
| S75 | 307 | ("defect management area" of (defect near2 management)) same ((temp\$5 or interim) near5 (defect near2 (management or definition)) or (TDDS) or (temporary near (DDS))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:18 |
| S76 | 22 | S75 not S67 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/03/12 15:45 |
| S77 | 1 | ("7188271").PN. | US-PGPUB; USPAT | OR | OFF | 2007/03/12 15:45 |
| S78 | 5 | ("5247494" "5805536" "6633724" "6842580" "6922802").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/03/12 15:48 |
| S79 | 15483 | ((temp\$5 or interim or spare or replac\$8) near3 (((defect or definition) near3 structure) or dds) or tdds) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/13 08:45 |

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| S80 | 50929 | (dma or (defect near2 management near2 (region or area))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/13 08:46 |
| S81 | 128 | S79 same S80 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/03/13 08:46 |
| S82 | 1 | ("20040161257").PN. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:07 |
| S83 | 375 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |
| S84 | 272 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |
| S85 | 368 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |
| S86 | 734 | S83 S84 S85 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S87 | 72779 | (DMA or TDL or TDFL or TDMA or TDDS or SBM or "defect management area") | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S88 | 293 | S86 and S87 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S89 | 4 | (lead adj1 in) and (lead adj1 out) and (spare near2 area) and (defect near2 management) and (defect near2 list) and (temporary near2 management) and (TDMA DMA TDFL TDD TDDS) | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S90 | 4 | (lead adj1 in) and (lead adj1 out) and (spare near2 area) and (defect near2 management) and (defect near2 list) and (temporary near2 management) | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S91 | 375 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |
| S92 | 272 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |
| S93 | 368 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:22 |

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|----------|-------|---|--|----|-----|------------------|
| S94 | 734 | S91 S92 S93 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S95 | 235 | (defect and (management or sector\$3 or replace\$5)).ti. | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S96 | 92 | S94 and S95 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:22 |
| S97 | 235 | (defect and (management or sector\$3 or replace\$5)).ti. | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S98 | 375 | (369/47.14).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:23 |
| S99 | 272 | (369/53.17).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:23 |
| S10 0 | 368 | (369/53.15).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:23 |
| S10 1 | 734 | S98 S99 S100 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S10 2 | 1938 | (369/275.3).CCLS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:23 |
| S10 3 | 41411 | ("714").CLAS. | US-PGPUB; USPAT | OR | OFF | 2007/05/01 13:23 |
| S10 4 | 43934 | S101 S102 S103 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S10 5 | 162 | S97 and S104 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S10 6 | 4 | S105 and (defect near3 structure) and (defect near2 list) and (spare near2 area) and ((space or bit) near2 map) | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:23 |
| S10 7 | 289 | ("defect management area" of (defect near2 management)) same ((temp\$5 or interim) near5 (defect near2 management)) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |
| S10 8 | 158 | S107 and ("369" or "714").clas. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |

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| S10 9. | 71 | S108 and samsung | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |
| S11 0 | 87 | S108 not S109 | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/05/01 13:23 |
| S11 1 | 51709 | (dma or (defect near2 management near2 (region or area))) | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | ADJ | ON | 2007/05/01 13:23 |
| S11 2 | 44 | hwang-sung-hee.in. and ko-jung-wan.in. and lee-kyung-geun.in. | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:51 |
| S11 3 | 1 | 10/784817 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:56 |
| S11 4 | 4 | 10/797050 | US-PGPUB; USPAT | OR | ON | 2007/05/01 13:56 |